

Name: HW9b\_KhanArticle

*Ms. Estrada, Mr. Bielmeier, Mr. Tiénou-Gustafson*

Geometry, Period

Due Date: Mon, 8 Sep 2014

**Geometry**

**Homework**



## [The Learning Myth: Why I'll Never Tell My Son He's Smart](https://www.khanacademy.org/about/blog/post/95208400815/the-learning-myth-why-ill-never-tell-my-son-hes)

*Tue, 19 Aug 2014 14:43:00*

*By: Salman Khan*

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My 5-year-­old son has just started reading. Every night, we lie on his bed and he reads a short book to me. Inevitably, he’ll hit a word that he has trouble with: last night the word was “gratefully.” He eventually got it after a fairly painful minute. He then said, “Dad, aren’t you glad how I struggled with that word? I think I could feel my brain growing.” I smiled: my son was now verbalizing the tell­-tale signs of a “growth­ mindset.” But this wasn’t by accident. Recently, I put into practice research I had been reading about for the past few years: I decided to praise my son not when he succeeded at things he was already good at, but when he persevered with things that he found difficult. I stressed to him that by struggling, your brain grows. Between the deep body of research on the field of learning mindsets and this personal experience with my son, I am more convinced than ever that mindsets toward learning could matter more than anything else we teach.

Researchers have known for some time that the brain is like a muscle; that the more you use it, the more it grows. They’ve found that neural connections form and deepen most when we make mistakes doing difficult tasks rather than repeatedly having success with easy ones.

What this means is that our intelligence is not fixed, and the best way that we can grow our intelligence is to embrace tasks where we might struggle and fail.

However, not everyone realizes this. Dr. Carol Dweck of Stanford University has been studying people’s mindsets towards learning for decades. She has found that most people adhere to one of two mindsets: fixed or growth. Fixed mindsets mistakenly believe that people are either smart or not, that intelligence is fixed by genes. People with growth mindsets correctly believe that capability and intelligence can be grown through effort, struggle and failure. Dweck found that those with a fixed mindset tended to focus their effort on tasks where they had a high likelihood of success and avoided tasks where they may have had to struggle, which limited their learning. People with a growth mindset, however, embraced challenges, and understood that tenacity and effort could change their learning outcomes. As you can imagine, this correlated with the latter group more actively pushing themselves and growing intellectually.

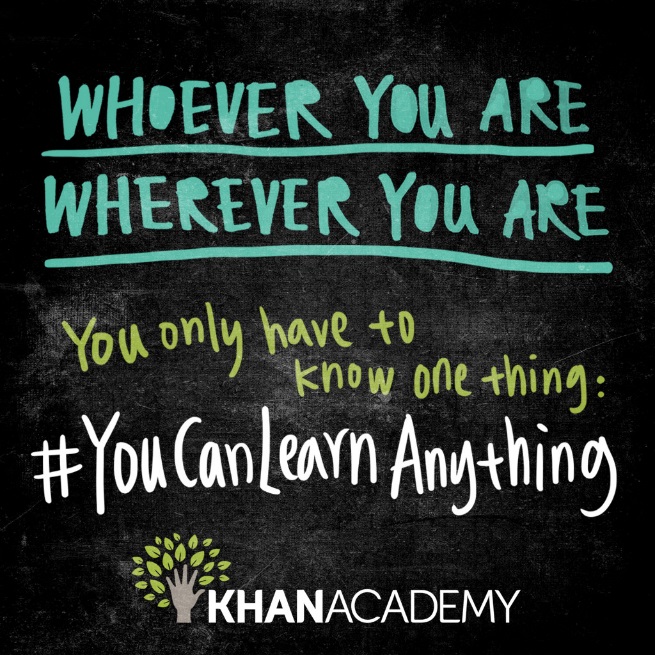
The good news is that mindsets can be taught; they’re malleable. What’s really fascinating is that Dweck and others have developed techniques that they call “growth mindset interventions,” which have shown that even small changes in communication or seemingly innocuous comments can have fairly long­-lasting implications for a person’s mindset. For instance, praising someone’s process (“I really like how you struggled with that problem”) versus praising an innate trait or talent (“You’re so clever!”) is one way to reinforce a growth ­mindset with someone. Process­ praise acknowledges the effort; talent­ praise reinforces the notion that one only succeeds (or doesn’t) based on a fixed trait. And we’ve seen this on Khan Academy as well: students are spending more time learning on Khan Academy after being exposed to messages that praise their tenacity and grit and that underscore that the brain is like a muscle.

The Internet is a dream for someone with a growth mindset. Between Khan Academy, MOOCs, and others, there is unprecedented access to endless content to help you grow your mind. However, society isn’t going to fully take advantage of this without growth mindsets being more prevalent. So what if we actively tried to change that? What if we began using whatever means are at our disposal to start performing growth mindset interventions on everyone we cared about? This is much bigger than Khan Academy or algebra — it applies to how you communicate with your children, how you manage your team at work, how you learn a new language or instrument. If society as a whole begins to embrace the struggle of learning, there is no end to what that could mean for global human potential.

And now here’s a surprise for you. By reading this article itself, you’ve just undergone the first half of a growth­-mindset intervention. The research shows that just being exposed to the research itself (­­for example, knowing that the brain grows most by getting questions wrong, not right­­) can begin to change a person’s mindset. The second half of the intervention is for you to communicate the research with others. We’ve made a video (above) that celebrates the struggle of learning that will help you do this. After all, when my son, or for that matter, anyone else asks me about learning, I only want them to know one thing. As long as they embrace struggle and mistakes, they can learn anything.

[Share YCLA on Facebook](https://www.facebook.com/sharer/sharer.php?u=http://bit.ly/lrningmyth)[Tweet #YouCanLearnAnything](https://twitter.com/home?status=%22Why%20I'll%20Never%20Tell%20My%20Son%20He's%20Smart%22%20bit.ly/lrningmyth.%20Read%20the%20op-ed%20by%20Sal%20Khan%20of%20@KhanAcademy%20-%20#YouCanLearnAnything) You can view the original op-ed in Huffington Post [*here*](http://huff.to/1oOn0Ra).

***Response Questions:*** *Respond on loose leaf. Use thoughtful, complete sentences.*

1. In your own words, what is *malleable intelligence*?
2. Do you agree or disagree with the idea of never telling children they are smart? Why?
3. Do you have any younger siblings, cousins, or neighbors? How could you apply what you learned in this article to your interactions with them? (Even if you don’t, answer hypothetically what you could do if you *did* have younger people in your life.)
4. What is a struggle ***you*** face?   
   How can you apply this to ***your*** struggle?
5. Is there a “***growth mindset intervention***” that you can apply to someone you know (maybe a friend or your advisory)? *(If the person is at Muchin, tell who that person is* ***without*** *giving a name.)*
6. How can you do this in an effective way?
7. Will you *actually, really, truly, honestly, for real****do*** *this*? If so, **when**? If not, **why not**?
8. Is there a “*growth mindset intervention*” that you can apply to yourself & your life?
9. How does this growth mindset relate to   
   “**defining your pride”** for you?
10. Why are **you** awesome?